

Practice

For use with pages 219–224

Show that the number is rational by writing it as a quotient of two integers.

1. 273

2. -86

3. $6\frac{9}{10}$

4. $-9\frac{1}{12}$

5. 3400

6. -555

7. $-2\frac{7}{20}$

8. $4\frac{11}{14}$

Write the fraction or mixed number as a decimal.

9. $\frac{8}{25}$

10. $-\frac{5}{18}$

11. $-3\frac{2}{11}$

12. $8\frac{3}{20}$

13. $\frac{34}{3}$

14. $-\frac{29}{4}$

15. $6\frac{37}{100}$

16. $-2\frac{9}{40}$

17. $-\frac{7}{18}$

18. $\frac{39}{26}$

19. $5\frac{14}{15}$

20. $-10\frac{7}{36}$

Write the decimal as a fraction or mixed number.

21. 0.65

22. 0.04

23. -5.28

24. 14.005

25. $-8.\overline{4}$

26. $0.\overline{16}$

27. $-0.\overline{13}$

28. $3.\overline{76}$

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Order the numbers from least to greatest.

29. $-\frac{6}{11}$, -0.55 , $-0.\overline{5}$, $-\frac{27}{50}$

30. 0.69 , $\frac{13}{20}$, $\frac{1}{2}$, 0.6 , $\frac{17}{25}$

31. -1.5 , $-\frac{7}{4}$, $-\frac{8}{5}$, -1.7 , $-0.\overline{8}$, $-\frac{11}{6}$

32. 4.41 , $\frac{43}{10}$, 4.1 , 4.02 , $\frac{17}{4}$, $4\frac{1}{5}$

33. On Monday, a deli takes 250 orders. Of these, 144 are carry-out orders. On Tuesday, it takes 220 orders. Of these, 125 are carry-out orders. Which day has the greater fraction of carry-out orders?

In Exercises 34–36, use the table that shows the results of a survey about the kind of fruit that students like best.

Favorite fruit	Orange	Banana	Pear	Strawberry	Apple
Portion of students	$\frac{7}{25}$	$\frac{2}{5}$	$\frac{7}{100}$	$\frac{1}{12}$	$\frac{1}{6}$

34. Write each fraction as a decimal. Tell whether the decimal form of the fraction is repeating or terminating.

35. Which fruit was chosen most often?

36. Is it easier to compare the survey results in fraction form or decimal form? Explain.